



Next Call Sept 14th at 1:15pm

Carl Stivers

to:

Kristine Koch, Scheffler, Linda, Amanda Spencer, Andy Koulermos, Laura Jones, Amanda Shellenberger, Sanders, Dawn, LaFranchise, Nicole, TARNOW Karen E

09/12/2007 11:43 AM

Cc:

"Christine Hawley", "Gene Revelas", "Jim McKenna", "Jessica Pisano", "Rick Applegate", "Bob Wyatt", mcoover, "MCCLINCY Matt", "Jessica Pisano"

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From: "Carl Stivers" <cstivers@anchorenv.com> Sort List...

To: Kristine Koch/R10/USEPA/US@EPA, "Scheffler, Linda"

<LindaSC@BES.CI.PORTLAND.OR.US>, "Amanda Spencer"

<aspencer@ashcreekassociates.com>, "Andy Koulermos" <akoulermos@newfields.com>,

"Laura Jones" <ljones@integral-corp.com>, "Amanda Shellenberger"

<ashellenberger@anchorenv.com>, "Sanders, Dawn"

<DAWNS@BES.CI.PORTLAND.OR.US>, "LaFranchise, Nicole"

<Nicole.LaFranchise@portofportland.com>, "TARNOW Karen E"

<TARNOW.Karen@deq.state.or.us>,

Cc: "Christine Hawley" <chawley@integral-corp.com>, "Gene Revelas"

<grevelas@integral-corp.com>, "Jim McKenna" <Jim.McKenna@portofportland.com>,

"Jessica Pisano" <jpisano@anchorenv.com>, "Rick Applegate"

<RICKA@bes.ci.portland.or.us>, "Bob Wyatt" <rjw@nwnatural.com>,

<mcoover@ensr.aecom.com>, "MCCLINCY Matt" <MCCLINCY.Matt@deq.state.or.us>,

"Jessica Pisano" <jpisano@anchorenv.com>

1 Attachment



Data Complete Summary3.xls

Stormwater Technicial Team

The next call will be on September 14th starting at 1:15 pm with the same call in number: Non-Responsive

Non-Responsive

At the last meeting we previously discussed having some different formats of summary completeness data that focused more on categories of land uses that will be relevant to loading calculations. Anchor and Integral worked with the City to develop the attached tables. My apologies for not getting this out sooner.

<<Data Complete Summary3.xls>>

The tables include three types of summaries: one for stormwater, one for sediments, and one for a summary of both. There are some nuances for all tables that I will need to go over during the start of the call. However, one thing that may stand out for you is the stormwater table, which looks at the number of completed samples in two ways. The first way is looking at the sites on an individual basis such that actual samples over the planned number of samples (usually 3) for that site are not calculated to contribute to the total for that land use category. The second way is to look at land use groups as a group and just tally the total number of samples across all groups. The City suggested that this differentiation may be important, and they can explain more about why during the call.

I suggest our agenda for this call is similar to the last one, but with the benefit of having these additional tables. Therefore, the agenda is still:

1. Discuss data adequacy as it relates to FSP Rationale Objectives.
2. If the objectives are not adequately met, discuss if there is a need for more sampling in the fall to better meet these objectives.

Talk to you soon.

Carl

Carl Stivers

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Stormwater Technical Team –

As promised here are highlights from the last call. As always, please let me know if I missed something important.

The next call will be on September 14th starting at 1:15 pm with the same call in number: **Non-Responsive**

Non-Responsive

The three agenda items noted in the email below were discussed.

The first agenda item was to resolve the sediment trap sample handling approach. It was agreed that the approach reflected in the sediment trap summary table provided for the call would be used. LWG members noted that this approach would have to undergo formal LWG Exec approval before the samples would be released for lab analysis. We expect that approval to be discussed on by LWG Exec on August 29th.

The second and third agenda items (regarding data adequacy to meet FSP objectives and any additional sampling needs) was discussed pretty much as a one topic and a variety of concepts were raised and discussed. It was agreed that further data analysis and summarization was needed in order for the group to reach an opinion (s) on the adequacy of the data set. The LWG consultants (Anchor and Integral) with assistance from the City agreed to work on some additional data summarization approaches for presentation to the team. The primary

items discussed were:

... In general, organize the completeness data (samples/analytes collected by station) by land use type and site specific (for some industrial sites) categories

... This would be organized separately for stormwater composite samples and sediment trap samples. Then a combined analysis—looking at completeness across these sample types—would also be prepared.

... This would include also reviewing how some specific industrial sites might be used as representative of the heavy industry category in general for some chemicals. For example, pesticides from the Gasco site, which is primarily a PAH site.

It was also discussed that the above analysis could move into examining the actual data (e.g., amounts of detects, magnitude of detects, incidence of blank contamination or other sampling artifacts, variability seen within field replicates etc.) and this might provide additional insight into data adequacy for FSP objectives. However, it was generally agreed that such an analysis would take longer and would not be included in the above initial tasks.

The LWG consultants will work on this with the City such that it can be issued about a week prior to the next call (targeting September 7).

After the call Kristine Koch provided some additional data analysis along the lines of that discussed during the call and summarized the following general concepts that should be examined:

- 1) The number of minimum samples needed for each land use.
- 2) A review of the data to see if the data gaps need to be filled. An example here is metals for mixed land use: There are 17 total water, 12 dissolved water, and 1 sediment trap. Do we need more solids samples or is this enough information?
- 3) A review of the actual analytical data to see if there are other data gaps.

As noted above, the LWG consultants expect to start by focusing on these first two items, at least for right now.

Thanks.

Carl

Carl Stivers

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Stormwater Technical Team -

<< File: B010162_Blanks_Phthalates.xls >> << File: Storm Sample Matrix with T4 and GE.xls >> << File: Sediment Trap Summary Est.xls >>

We are having a call at 1 pm tomorrow (Aug. 23). Please use the following call in number:

Non-Responsive

Non-Responsive

Items on the agenda are:

1. Resolve additional proposal for sediment trap sample handling per City emails since last call.
2. Discuss data adequacy as it relates to FSP Rationale Objectives. The objective are: (with some text explanation of how the data will be used excerpted from the rationale):
 - a. Stormwater contribution to fish tissue burdens: "Thus, it is necessary to determine the relative contribution of stormwater (as compared to other sources) to surface water concentrations of selected chemicals in the harbor. For stormwater, this would be done in terms of loading estimates."
 - b. Stormwater contribution to recontamination potential: "To predict whether sediments would recontaminate at levels above the PRGs that will eventually be set for the Site, estimates of stormwater loads are needed for input into estimation tools and models described in Section 1.3; these load estimates must be on a spatial scale consistent with those estimation tools and models. The load estimates should be accompanied by partitioning measurements to assist in the estimation of chemical mass associated with particulates (that may settle to the sediment bed) versus dissolved mass."Atja
3. If the objectives are not adequately met, discuss if there is a need for more sampling in the fall to better meet these objectives.

With regards to the first item, the group requested via email an analysis of whether the phthalates in stormwater were likely a result of blank contamination or similar sampling artifacts. Attached is a table that summarizes this data analysis. In summary, slightly over one-half (155 of 306 results) of the stormwater results from all sampling events were qualified as estimated or undetected because of detections of phthalates in laboratory and field blanks. The stormwater blank results are attached.

With regards to the second and third items, attached are two tables summarizing the number of samples collected (and analytes for those samples) for all sites including the seven T-4 sites and GE Decommissioning site.

Talk to you tomorrow.

Carl

Carl Stivers

Anchor Environmental, L.L.C.

23 South Wenatchee Avenue, Suite 120

Wenatchee, WA 98801

Phone: 509-888-2070

Fax: 509-888-2211

cstivers@anchorenv.com

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